



DESIGNED TO HANDLE LOADS OF SNOW

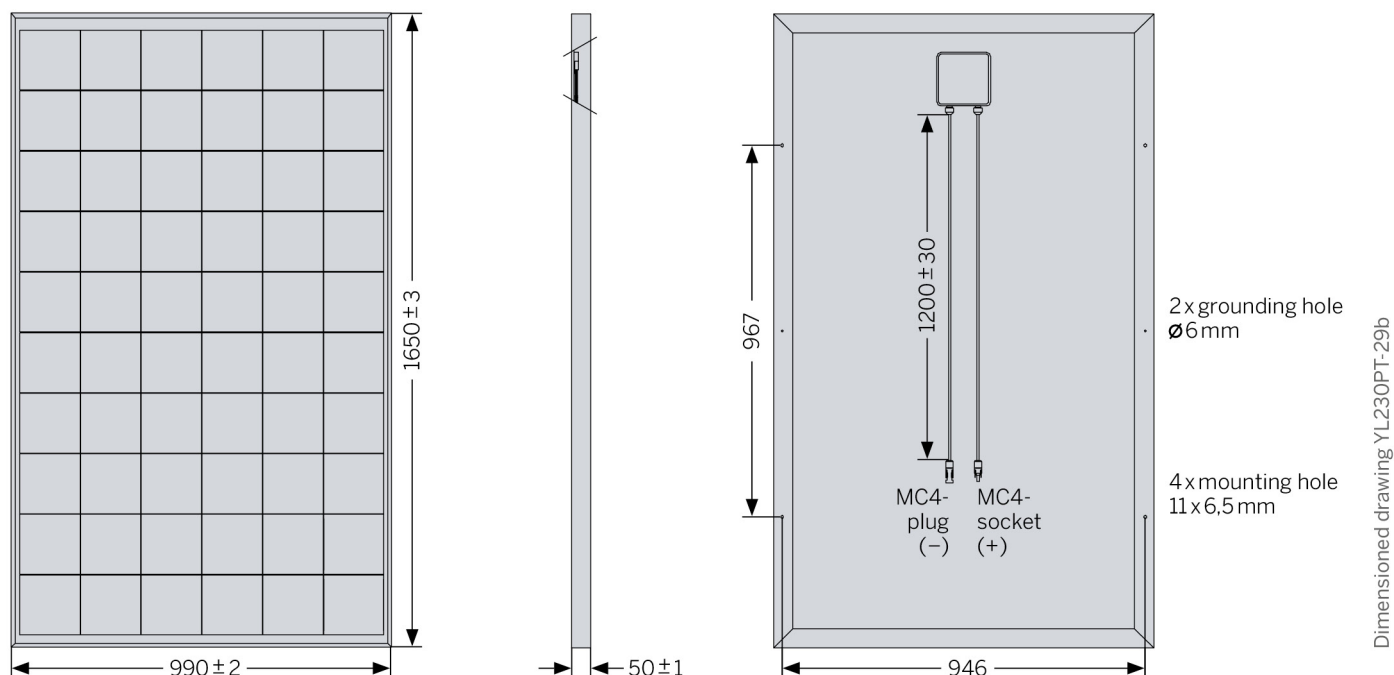
Yingli YL220PT-29b, YL225PT-29b, YL230PT-29b, YL235PT-29b, YL240PT-29b

POLYCRYSTALLINE SOLAR MODULES

These modules demonstrate their efficiency and flexibility even in snowy regions – for single-family homes as well as for outdoor installations. They have been tested for snow loads up to 5,400 Pa. This translates into greater stability than is required in the IEC 61215 quality standard.

HIGHLIGHTS

- Suitable for grid-connected systems
- Tested for very heavy snow loads up to 5,4 PA (5,4 kN/m²)
- Power tolerance -/+ 3%
- Power warranties*
 - 10 years (90%)
 - 25 years (80%)
- 5-year product guarantee*
- IEC 61730, Application Class A for system voltages up to 1000 V
- IEC 61215 tested and certified
- 100% end control with individual registration of the electrical characteristics



TECHNICAL DATA

Yingli YL	220PT-29b	225PT-29b	230PT-29b	235PT-29b	240PT-29b
STC Power Pmax (Wp)**	220	225	230	235	240
STC Nominal Voltage Umpp (V)**	29,0	29,5	29,5	29,5	29,5
STC Open circuit voltage Uoc (V)**	36,5	36,5	37,0	37,0	37,5
STC Short circuit current Isc (A)**	8,15	8,28	8,40	8,54	8,65
800 W/m ² NOCT AM1.5 Power Pmax (Wp)***	159,4	162,7	166,4	169,9	174,5
800 W/m ² NOCT AM1.5 Nominal Voltage Umpp (V)***	26,1	26,5	26,5	26,5	26,6
800 W/m ² NOCT AM1.5 Open Circuit Voltage Uoc (V)***	33,4	33,4	33,8	33,8	34,2
800 W/m ² NOCT AM1.5 Short Circuit Current Isc (A)***	6,60	6,71	6,80	6,92	7,01
Efficiency reduction @ 200W/m ²	5	5	5	5	5
Tempcoeff Isc (%/°C)	+0,06	+0,06	+0,06	+0,06	+0,06
Tempcoeff Uoc (mV/°C)	-135	-135	-137	-137	-139
Tempcoeff Pmpp (%/°C)	-0,45	-0,45	-0,45	-0,45	-0,45
NOCT °C	46	46	46	46	46
Application class	A	A	A	A	A
Max. System Voltage (V)	1000	1000	1000	1000	1000
Current value String fuse (I _f fuse)	12	12	12	12	12
Fuse protection from parallel strings	3	3	3	3	3
Length (mm)	1650	1650	1650	1650	1650
Width (mm)	990	990	990	990	990
Height (mm)	50	50	50	50	50
Weight (kg)	19,8	19,8	19,8	19,8	19,8
Articlenumber	2201700023	2201700019	2201700018	2201700022	2201700021

Version: 05.01.2011

Your IBC SOLAR partner:

*The complete and individual valid guarantee conditions are relevant, which will be handed out by your IBC partner on request. **Electrical values under standard test conditions: 1000W/m²; 25°C, AM 1.5. ***800 W/m², NOCT. Specifications according EN60904-3 (STC). All datas according DIN EN50380. Subject to modifications that represent process.